Author Index of Volume 195

Abuhijleh, A. L., 67
Andor, J. A., 169
Angoso, A., 45
Archer, C. M., 145

Bednarski, P. J., 77
Bencini, A., 139
Berkesi, O., 169
Bodensieck, U., 135
Bogas, E., 67
Bolos, C., 227
Bondon, A., 73
Bonomi, F., 109
Bouayad, A., 193
Brouca-Cabarrecq, C., 193
Brücher, E., 89
Buschmann, H.-J., 51

Cariati, F., 109
Carraux, Y., 135
Casabó, J., 61
Caubet, A., 61
Chen, Q., 163
Cheng, L., 133
Clarke, M. J., 175
Cotton, F. A., 11
Crisponi, G., 109
Cristiani, F., 109

Damoense, L. J., 217
Davies, G., 35
Dekker, G. P. C. M., 203
de Klerk-Engels, B., 237
Dilworth, J. R., 145
Dougherty, G., 95
Dreveni, I., 169

Eglin, J. L., 11
El-Sayed, M. A., 35
Elsevier, C. J., 203
Exner, R., 1

Fabretti, A. C., 157

Gatteschi, D., 157
Geraldes, C. F. G. C., 89
Gèze, C., 73
Gleizes, A., 193
Gliemann, G., 227
Goay, K., 117
Gopinathan, C., 211
Gopinathan, S., 211
Goubitz, K., 237
Grasser, F., 25
Griffiths, D. V., 145
Grimes, K., 117
Groen, J. H., 237

Hambright, P., 131
Heath, G. A., 101
Hiraki, K., 151
Hisamatsu, K., 221
Howell, F. S., 221
Hughes, J. M., 145

Kaim, W., 123
Kaizaki, S., 187
Kelly, J. D., 145
Kennedy, B. J., 101
Klement, U., 227
Knoch, F., 25
Kolasa, K. A., 245
Krishnan, S., 211
Kumakura, H., 221

Lau, C. P., 133
Lazar, I., 89
Legrand, N., 73
Le Guenniou, G., 67
Leipoldt, J. G., 217
Lindner, E., 237
Liu, X., 35
López, X., 61

Malavasi, W., 157
Manfrin, M. F., 139
Manoussakis, G., 227
Manzano, J. L., 45
Martín, M., 45
Martín, R., 45
Martinez, P., 249
Martín-Llorente, J. M., 45
McClinton, D., 163
McMahon, L., 117
McNamara, M. A., 175
Micheloni, M., 139
Mink, J., 169
Miravitlles, C., 61
Möckel, A., 237
Moggi, L., 139
Moll, M., 25
Morishita, J., 151
Morrow, J. R., 245
Morton, S., 145
Mukaida, M., 221
Müller, R., 77

Nagao, N., 221
Nikolov, G. St., 227
Noheda, P., 249
Nurchi, V., 109

Onishi, M., 151
Owens, J. W., 117

Pagani, S., 109
Pardhy, S. A., 211
Parola, A. J., 139
Pasternak, R. F., 95
Pina, F., 139
Poelsma, S. N., 203
Pons, J., 61
Pozzi, A., 109
Puranik, V. G., 211
Purcell, W., 217

Quoc, N., 131

Ramasamy, R., 89
Rius, J., 61
Rodríguez, E., 45
Russo, U., 109

Sakagami, N., 187
Sakurai, T., 255
Schönenberger, H., 77
Schwederski, B., 123
Sellmann, D., 25
Sessoli, R., 157
Sheldrick, W. S., 1
Sherry, A. D., 89
Simonneaux, G., 73
Smeets, W. J. J., 203
Soria, J., 45
Spek, A. L., 203
Stoeckli-Evans, H., 135
Stückl, A. C., 227
Süss-Fink, G., 135
Sutter, T. P., 131

Tavale, S. S., 211
Teixidor, F., 61
Thorpe, A. N., 131
Togano, T., 221
Trombe, J.-C., 193
Tsuchida, M., 221

van Eldik, R., 249
van Leeuwen, P. W. N. M., 203
Vrieze, K., 203, 237

Wiesinger, K. J., 11
Woods, C., 67

Yamaguchi, M., 151

Zanoni, R., 109
Zubieta, J., 163
Zuluaga, J., 249

Subject Index of Volume 195

Amine complex
crystal, molecular and electronic structures of Cu(II) dipropylenetriamine thiocyanate nitrate, 227
(1,2-diaryl-1,2-ethylenediamine)Pt(II) complexes with sulfato and 3-sulfopropionato leaving groups; investigations with different types of coordination in solid state, in solution and reactions with nucleophiles, 77
one-pot and selective synthesis of series of $[RuCl_{6-2n}L_n]$ (L=bidentate ligand, n=0–3) types of complexes with polypyridyl ligands; another example of synthetic utility of 'ruthenium-blue' solution, 221
Amino acid complexes
preparation and study of amino acid (DL-leucine, L-isoleucine, L-histidine) Schiff bases with ethyl-α-ketocyclopentylcarboxylate and corresponding Cu(II) complexes, 45
synthesis and structural characterization of Ru(II) complexes of histidine and methionine derivatives, 1
Ammine complexes
coordination of pentaammineruthenium to RNA; spectra, equilibria, kinetics and electrochemistry, 175
kinetics of oxidation of L-ascorbic acid by diaquatetraamminecobalt(III) in acidic aqueous solution; application of Fuoss model and Marcus–Sutin cross-relationship for electron-transfer process, 249
Ascorbate oxidase complexes
reassessment of unusual ESR signal from type 3 Cu of ascorbate oxidase reacted with hexacyanoferrate(II), 255
Aspirin complexes
synthesis, characterization and catecholase-mimetic activity of mononuclear Cu(II) aspirinate complexes, 67
Azide complexes
chemical structure of azidonitridotetracyanorhenate(V) ion, 217

Bidentate ligand complexes
binuclear complexes of Rh(II) by anionic NS ligands and X-ray crystal structure of tetrakis(μ-5-methylthio-2-mercaptothiadiazolinato)triphenylphosphinodirhodium, 211
charge effects on photochemistry of $Co(EDTA)^- \cdot I^-$ system in presence of polyammonium macrocyclic receptors, 139
(1,2-diaryl-1,2-ethylenediamine)Pt(II) complexes with sulfato and 3-sulfopropionato leaving groups; investigations with different types of coordination in solid state, in solution and reactions with nucleophiles, 77
lanthanide(III)–Cu(II) squarates; synthesis, crystal structure, magnetism and thermal behaviour of $[La_2Cu(C_4O_4)_4(H_2O)_{16}] \cdot 2H_2O$ and $[Gd_2Cu(C_4O_4)_4(H_2O)_{12}] \cdot 2H_2O$, 193
one-pot and selective synthesis of series of $[RuCl_{6-2n}L_n]$ (L=bidentate ligand, n=0–3) types of complexes with polypyridyl ligands; another example of synthetic utility of 'ruthenium-blue' solution, 221
syntheses of new diphenylphosphinoacetatorhodium(I) complexes and their catalytic reactivities in hydrogenation of aromatic compounds, 151
2,2′-Bipyridine ligands
catalytic hydrogenation reactions by *cis*-$[Ru(6,6'\text{-}Cl_2bpy)_2(OH_2)_2][CF_3SO_3]_2$ (6,6′-Cl_2bpy=6,6′-dichloro-2,2′-bipyridine), 133

Carbonyl complexes
coordination of CO to high valent MoS centers; syntheses, properties and structure of stable Mo(IV) thiolato carbonyl complexes, 25
Carboxylate complexes
synthesis and characterization of Mo species; dinuclear and mononuclear species of molecular formulas $[Mo_2(O_2CCH_3)_2(LL)_2][BF_4]_2$ and $[Mo(O)(F)(LL)_2][BF_4]$ where LL=bis-phosphine; use of $[Mo_2(NCCH_3)_{10}][BF_4]_4$ as source for $[Mo_2]^{4+}$ core, 11
Carboxylato complexes
FT-IR studies on formation of tetrazinc long straight-chain (even-numbered C_6–C_{18}) μ4-oxo-hexa-μ-carboxylates from corresponding bis(carboxylato)Zn compounds, 169
Catalysis
catalytic hydrogenation reactions by *cis*-$[Ru(6,6'\text{-}Cl_2bpy)_2(OH_2)_2][CF_3SO_3]_2$ (6,6′-Cl_2bpy=6,6′-dichloro-2,2′-bipyridine), 133
syntheses of new diphenylphosphinoacetatorhodium(I) complexes and their catalytic reactivities in hydrogenation of aromatic compounds, 151
Chelate complexes
charge effects on photochemistry of $Co(EDTA)^- \cdot I^-$ system in presence of polyammonium macrocyclic receptors, 139
(1,2-diaryl-1,2-ethylenediamine)Pt(II) complexes with sulfato and 3-sulfopropionato leaving groups; investigations with different types of coordination in solid state, in solution and reactions with nucleophiles, 77
lanthanide(III)–Cu(II) squarates; synthesis, crystal structure, magnetism and thermal behaviour of $[La_2Cu(C_4O_4)_4(H_2O)_{16}] \cdot 2H_2O$ and $[Gd_2Cu(C_4O_4)_4(H_2O)_{12}] \cdot 2H_2O$, 193
preparation and characterization of two geometrical isomers of aqua(ethylenediamine-*N*,*N*,*N*′-tri-3-propionato-propionic acid)Cr(III) complex; X-ray structure of *cis-eq*-$[Cr(Hedtp)(H_2O)] \cdot 5H_2O$, 187
syntheses of new diphenylphosphinoacetatorhodium(I) complexes and their catalytic reactivities in hydrogenation of aromatic compounds, 151
synthesis and electrochemistry of Tc(III) and (V) complexes of 2-diphenylphosphino-*N*,*N*-bis(2-diphenylphosphinoethyl)ethaneamine (NP_3) and tris-2-diphenylphosphinoethylphosphine (PP_3), 145
Chromium complexes
preparation and characterization of two geometrical isomers of aqua(ethylenediamine-*N*,*N*,*N*′-tri-3-propionato-propionic acid)Cr(III) complex; X-ray structure of *cis-eq*-$[Cr(Hedtp)(H_2O)] \cdot 5H_2O$, 187
Chromium compounds
tris(*N*,*N*′-diphenylthioureato)Cr(III), 135

Cobalt complexes
charge effects on photochemistry of $Co(EDTA)^- \cdot I^-$ system in presence of polyammonium macrocyclic receptors, 139
kinetics of oxidation of L-ascorbic acid by diaquatetraamminecobalt(III) in acidic aqueous solution; application of Fuoss model and Marcus–Sutin cross-relationship for electron-transfer process, 249
synthesis, crystal and molecular structure and magnetic properties of bis[(μ-hydroxo)bis(μ-2,5-diamino-1,3,4-thiadiazole-N^1,N^2)chloroaqua(2,5-diamino-1,3,4-thiadiazole-N^1)Co(II)-O,N^1,N^1]Co(II) dichloride dihydrate, 157
Copper complexes
aggregation of Cu(II) derivatives of *meso*-substituted porphyrins in frozen aqueous media, 95
crystal, molecular and electronic structures of Cu(II) dipropylenetriamine thiocyanate nitrate, 227
Cu complexes with pyrazole derivative ligand; crystal structure of tetrakis{[(3,5-bis(pyridin-2-yl)pyrazolate)-(aqua)Cu(II)] nitrate monohydrate}, 61
lanthanide(III)–Cu(II) squarates; synthesis, crystal structure, magnetism and thermal behaviour of $[La_2Cu(C_4O_4)_4(H_2O)_{16}]\cdot 2H_2O$ and $[Gd_2Cu(C_4O_4)_4(H_2O)_{12}]\cdot 2H_2O$, 193
preparation and study of amino acid (DL-leucine, L-isoleucine, L-histidine) Schiff bases with ethyl-α-ketocyclopentylcarboxylate and corresponding Cu(II) complexes, 45
protonation of tetranuclear oxo(chloro)pyridinecopper(II) complexes by HBF_4 in nitrobenzene, 35
reassessment of unusual ESR signal from type 3 Cu of ascorbate oxidase reacted with hexacyanoferrate(II), 255
synthesis, characterization and catecholase-mimetic activity of mononuclear Cu(II) aspirinate complexes, 67
Crystal structure(s)
of azidonitridotetracyanorhenate(V) ion, 217
of bis[(μ-hydroxo)bis(μ-2,5-diamino-1,3,4-thiadiazole-N^1,N^2)-chloroaqua(2,5-diamino-1,3,4-thiadiazole-N^1)Co(II)-O,N^1,N^1]Co(II) dichloride dihydrate, 157
of $[(n\text{-}C_4H_9)_4N][W(NC_6H_4CH_3)Cl_5]$ and $[(n\text{-}C_4H_9)_4N]$-$[C_7H_7NH_3][W_2OCl_8(NC_6H_4CH_3)_2]$, 163
of $(\eta^5\text{-}C_5H_5)RuCl(Ph_2PCH_2CH_2OCH_3)_2$, 237
of *cis-eq*-$[Cr(Hedtp)(H_2O)]\cdot 5H_2O$, 187
of Cu(II) dipropylenetriamine thiocyanate nitrate, 227
of $[La_2Cu(C_4O_4)_4(H_2O)_{16}]\cdot 2H_2O$ and $[Gd_2Cu(C_4O_4)_4(H_2O)_{12}]\cdot 2H_2O$, 193
of $[Mo_2(O_2CCH_3)_2(LL)_2][BF_4]_2$ and $[Mo(O)(F)(LL)_2][BF_4]$ where LL = bis-phosphine, 11
of Mo(IV) thiolato carbonyl complexes, 25
of $[Pt_2\{o\text{-}C_6H_4P(Ph)(CH_2)_3PPh_2\}_2Hg(O_2CCF_3)_2]$, 203
of Ru(II) complexes of histidine and methionine derivatives, 1
of tetrakis{[(3,5-bis(pyridin-2-yl)pyrazolate)(aqua)Cu(II) nitrate monohydrate}, 61
of tetrakis(μ-5-methylthio-2-mercaptothiadiazolinato)-triphenylphosphinorhodium, 211
Cyanide complexes
chemical structure of azidonitridotetracyanorhenate(V) ion, 217
reassessment of unusual ESR signal from type 3 Cu of ascorbate oxidase reacted with hexacyanoferrate(II), 255
Cyclopentadienyl complexes
synthesis of new (cyclopentadienyl) rutheniumphosphine complexes with hemilabile ether-phosphines; X-ray structure of $(\eta^5\text{-}C_5H_5)RuCl(Ph_2PCH_2CH_2OCH_3)_2$, 237
Dihydrolipoamide complexes
synthesis and characterization of Fe derivatives of dihydrolipoic acid and dihydrolipoamide, 109
Dihydrolipoic acid complexes
synthesis and characterization of Fe derivatives of dihydrolipoic acid and dihydrolipoamide, 109
Dinuclear complexes
binuclear complexes of Rh(II) by anionic NS ligands and X-ray crystal structure of tetrakis(μ-5-methylthio-2-mercaptothiadiazolinato)triphenylphosphinodirhodium, 211
synthesis and characterization of Mo species; dinuclear and mononuclear species of molecular formulas $[Mo_2(O_2CCH_3)_2(LL)_2][BF_4]_2$ and $[Mo(O)(F)(LL)_2][BF_4]$ where LL = bis-phosphine; use of $[Mo_2(NCCH_3)_{10}][BF_4]_4$ as source for $[Mo_2]^{4+}$ core, 11
synthesis and properties of $Pt_2 \rightarrow M$ (M = Ag(I), Hg(II)) adducts of $Pt_2\{o\text{-}C_6H_4P(Ph)(CH_2)_3PPh_2\}_2$ with $Ag(O_2CCF_3)$, $HgCl_2$ and $Hg(O_2CCF_3)_2$; X-ray crystal structure of $[Pt_2\{o\text{-}C_6H_4P(Ph)(CH_2)_3PPh_2\}_2Hg(O_2CCF_3)_2]$, 203
DNA complexes
cleavage of DNA by Ni complexes, 245

Electrochemistry
complexes of folic acid, lumiflavin and riboflavin with bis(2,2′-bipyridine)Ru(II); facilitated formation of flavosemiquinone complexes and substantial decrease of pK_a(NH), 123
coordination of pentaammineruthenium to RNA; spectra, equilibria, kinetics and electrochemistry, 175
NMR and potentiometric studies of 1,4,7-triazacyclononane-N,N',N''-tris(methylenephosphonate monoethylester) and its complexes with metal ions, 89
Electronic structure(s)
of Cu(II) dipropylenetriamine thiocyanate nitrate, 227
Ether-phosphine complexes
synthesis of new (cyclopentadienyl) rutheniumphosphine complexes with hemilabile ether-phosphines; X-ray structure of $(\eta^5\text{-}C_5H_5)RuCl(Ph_2PCH_2CH_2OCH_3)_2$, 237

Flavin complexes
complexes of folic acid, lumiflavin and riboflavin with bis(2,2′-bipyridine)Ru(II); facilitated formation of flavosemiquinone complexes and substantial decrease of pK_a(NH), 123
Halide complexes
one-pot and selective synthesis of series of $[RuCl_{6-2n}L_n]$ (L = bidentate ligand, n = 0–3) types of complexes with polypyridyl ligands; another example of synthetic utility of 'ruthenium-blue' solution, 221
spectroelectrochemical studies of hexachlorometallates; optical charge transfer spectra of $[MCl_6]^{1-}$ anions, 101
Hexacarbonyl compounds
tris(N,N'-diphenylthioureato)Cr(III), 135
Hydrogenation
syntheses of new diphenylphosphinoacetatorhodium(I) complexes and their catalytic reactivities in hydrogenation of aromatic compounds, 151

Iron complexes
reassessment of unusual ESR signal from type 3 Cu of ascorbate oxidase reacted with hexacyanoferrate(II), 255
synthesis and characterization of Fe derivatives of dihydrolipoic acid and dihydrolipoamide, 109

Isocyanide complexes
synthesis and complexation to Ru(II) and Fe(III) *meso*-tetraphenylporphyrins of two new fluorinated alkyl isocyanides; 2-monofluoroethyl isocyanide and 2,2,2-trifluoroethyl isocyanide, 73
Isomers
preparation and characterization of two geometrical isomers of aqua(ethylenediamine-*N,N,N'*-tri-3-propionato-propionic acid)Cr(III) complex; X-ray structure of *cis-eq*-[Cr(Hedtp)(H_2O)]·5H_2O, 187

Kinetics and mechanism
kinetics of oxidation of L-ascorbic acid by diaquatetra-amminecobalt(III) in acidic aqueous solution; application of Fuoss model and Marcus–Sutin cross-relationship for electron-transfer process, 249
comparison of experimental techniques for determination of stabilities of polyether, crown ether and cryptand complexes in solution, 51
coordination of pentaammineruthenium to RNA; spectra, equilibria, kinetics and electrochemistry, 175

Lanthanum complexes
lanthanide(III)–Cu(II) squarates; synthesis, crystal structure, magnetism and thermal behaviour of [$La_2Cu(C_4O_4)_4(H_2O)_{16}$]·2$H_2O$ and [$Gd_2Cu(C_4O_4)_4$-(H_2O)$_{12}$]·2H_2O, 193

Macrocyclic ligand complexes
comparison of different experimental techniques for determination of stabilities of polyether, crown ether and cryptand complexes in solution, 51
NMR and potentiometric studies of 1,4,7-triazacyclo-nonane-*N,N',N''*-tris(methylenephosphonate monoethyl-ester) and its complexes with metal ions, 89
Magnetism
diamagnetic susceptibilities of porphyrins, 131
lanthanide(III)–Cu(II) squarates; synthesis, crystal structure, magnetism and thermal behaviour of [$La_2Cu(C_4O_4)_4(H_2O)_{16}$]·2$H_2O$ and [$Gd_2Cu(C_4O_4)_4$-(H_2O)$_{12}$]·2H_2O, 193
synthesis, crystal and molecular structure and magnetic properties of bis[(μ-hydroxo)bis(μ-2,5-diamino-1,3,4-thia-diazole-N^1,N^2)chloroaqua(2,5-diamino-1,3,4,-thiadiazole-N^1)Co(II)-*O*,N^1,N^1]Co(II) dichloride dihydrate, 157
Mercury complexes
synthesis and properties of $Pt_2 \rightarrow M$ (M = Ag(I), Hg(II)) adducts of Pt_2[*o*-$C_6H_4P(Ph)(CH_2)_3PPh_2$]$_2$ with $Ag(O_2CCF_3)$, $HgCl_2$ and $Hg(O_2CCF_3)_2$; X-ray crystal structure of [Pt_2[*o*-$C_6H_4P(Ph)(CH_2)_3PPh_2$]$_2$$Hg(O_2CCF_3)_2$], 203
Metal complexes
comparison of experimental techniques for determination of stabilities of polyether, crown ether and cryptand complexes in solution, 51
NMR and potentiometric studies of 1,4,7-triazacyclo-nonane-*N,N',N''*-tris(methylenephosphonate monoethyl-ester) and its complexes with metal ions, 89
spectroelectrochemical studies of hexachlorometallates; optical charge transfer spectra of $[MCl_6]^{1-}$ anions, 101
Molybdenum complexes
coordination of CO to high valent Mo S centers; syntheses, properties and structure of stable Mo(IV) thiolato carbonyl complexes, 25
synthesis and characterization of Mo species; dinuclear and mononuclear species of molecular formulas $[Mo_2(O_2CCH_3)_2(LL)_2][BF_4]_2$ and $[Mo(O)(F)(LL)_2][BF_4]$ where LL = bis-phosphine; use of $[Mo_2(NCCH_3)_{10}][BF_4]_4$ as source for $[Mo_2]^{4+}$ core, 11

Nickel complexes
cleavage of DNA by Ni complexes, 245
Nitrido complexes
chemical structure of azidonitridotetracyanorhenate(V) ion, 217
W–organoimido chemistry; crystal and molecular structures of [(n-C_4H_9)$_4$N][$W(NC_6H_4CH_3)Cl_5$] and [(n-C_4H_9)$_4$N]-[$C_7H_7NH_3$][$W_2OCl_8(NC_6H_4CH_3)_2$], 163

Oxo complexes
protonation of tetranuclear oxo(chloro)pyridinecopper(II) complexes by HBF_4 in nitrobenzene, 35

Photochemistry
charge effects on photochemistry of $Co(EDTA)^- \cdot I^-$ system in presence of polyammonium macrocyclic receptors, 139
Platinum complexes
(1,2-diaryl-1,2-ethylenediamine)Pt(II) complexes with sulfato and 3-sulfinopropionato leaving groups; investigations with different types of coordination in solid state, in solution and reactions with nucleophiles, 77
synthesis and properties of $Pt_2 \rightarrow M$ (M = Ag(I), Hg(II)) adducts of Pt_2[*o*-$C_6H_4P(Ph)(CH_2)_3PPh_2$]$_2$ with $Ag(O_2CCF_3)$, $HgCl_2$ and $Hg(O_2CCF_3)_2$; X-ray crystal structure of [Pt_2[*o*-$C_6H_4P(Ph)(CH_2)_3PPh_2$]$_2$$Hg(O_2CCF_3)_2$], 203
Polydentate ligand complexes
preparation and characterization of two geometrical isomers of aqua(ethylenediamine-*N,N,N'*-tri-3-propionato-propionic acid)Cr(III) complex; X-ray structure of *cis-eq*-[Cr(Hedtp)(H_2O)]·5H_2O, 187
synthesis, crystal and molecular structure and magnetic properties of bis[(μ-hydroxo)bis(μ-2,5-diamino-1,3,4-thia-diazole-N^1,N^2)chloroaqua(2,5-diamino-1,3,4-thiadiazole-N^1)Co(II)-*O*,N^1,N']Co(II) dichloride dihydrate, 157
synthesis and electrochemistry of Tc(III) and (V) complexes of 2-diphenylphosphino-*N,N*-bis(2-diphenyl-phosphinoethyl)ethaneamine (NP_3) and tris-2-diphenyl-phosphinoethylphosphine (PP_3), 145
Porphyrin complexes
aggregation of Cu(II) derivatives of *meso*-substituted porphyrins in frozen aqueous media, 95
quantum yield measurements on some new hemato-porphyrin mixtures, including Zn and HpD precursor, 117
synthesis and complexation of Ru(II) and Fe(III) *meso*-tetraphenylporphyrins of two new fluorinated alkyl isocyanides; 2-monofluoroethyl isocyanide and 2,2,2-trifluoroethyl isocyanide, 73
Porphyrin compounds
diamagnetic susceptibilities of porphyrins, 131
Pyrazole complexes
Cu complexes with pyrazole derivative ligand; crystal structure of tetrakis{[(3,5-bis(pyridin-2-yl)pyrazolate)-(aqua)Cu(II)] nitrate monohydrate}, 61

Rhenium complexes
chemical structure of azidonitridotetracyanorhenate(V) ion, 217

Rhodium complexes
binuclear complexes of Rh(II) by anionic NS ligands and X-ray crystal structure of tetrakis(μ-5-methylthio-2-mercaptothiadiazolinato)triphenylphosphinodirhodium, 211
syntheses of new diphenylphosphinoacetatorhodium(I) complexes and their catalytic reactivities in hydrogenation of aromatic compounds, 151
RNA complexes
coordination of pentaammineruthenium to RNA; spectra, equilibria, kinetics and electrochemistry, 175
Ruthenium complexes
catalytic hydrogenation reactions by *cis*-[Ru(6,6′-Cl_2bpy)$_2$-$(OH_2)_2$][CF_3SO_3]$_2$ (6,6′-Cl_2bpy = 6,6′-dichloro-2,2′-bipyridine), 133
complexes of folic acid, lumiflavin and riboflavin with bis(2,2′-bipyridine)Ru(II); facilitated formation of flavosemiquinone complexes and substantial decrease of pK_a(NH), 123
coordination of pentaammineruthenium to RNA; spectra, equilibria, kinetics and electrochemisty, 175
one-pot and selective synthesis of series of [$RuCl_{6-2n}L_n$] (L = bidentate ligand, n = 0–3) types of complexes with polypyridyl ligands; another example of synthetic utility of 'ruthenium-blue' solution, 221
synthesis and complexation to Ru(II) and Fe(III) *meso*-tetraphenylporphyrins of two new fluorinated alkyl isocyanides; 2-monofluoroethyl isocyanide and 2,2,2-trifluoroethyl isocyanide, 73
synthesis of new (cyclopentadienyl) rutheniumphosphine complexes with hemilabile ether-phosphines; X-ray structure of (η^5-C_5H_5)RuCl($Ph_2PCH_2CH_2OCH_3$)$_2$, 237
synthesis and structural characterization of Ru(II) complexes of histidine and methionine derivatives, 1

Schiff base complexes
preparation and study of amino acid (DL-leucine, L-isoleucine, L-histidine) Schiff bases with ethyl-α-ketocyclopentylcarboxylate and corresponding Cu(II) complexes, 45

Silver complexes
synthesis and properties of $Pt_2 \rightarrow M$ (M = Ag(I), Hg(II)) adducts of Pt_2\{o-$C_6H_4P(Ph)(CH_2)_3PPh_2$\}$_2$ with Ag(O_2CCF_3), $HgCl_2$ and Hg(O_2CCF_3)$_2$; X-ray crystal structure of [Pt_2\{o-$C_6H_4P(Ph)(CH_2)_3PPh_2$\}$_2$$Hg(O_2CCF_3)_2$], 203
Sulfur ligand complexes
coordination of CO to high valent Mo S centers; syntheses, properties and structure of stable Mo(IV) thiolato carbonyl complexes, 25

Technetium complexes
synthesis and electrochemistry of Tc(III) and (V) complexes of 2-diphenylphosphino-*N*,*N*-bis(2-diphenylphosphinoethyl)ethaneamine (NP_3) and tris-2-diphenylphosphinoethylphosphine (PP_3), 145
Tertiary phosphine ligands
catalytic hydrogenation reactions by *cis*-[Ru(6,6′-Cl_2bpy)$_2$-$(OH_2)_2$][CF_3SO_3]$_2$ (6,6′-Cl_2bpy = 6,6′-dichloro-2,2′-bipyridine), 133
Tetranuclear complexes
protonation of tetranuclear oxo(chloro)pyridinecopper(II) complexes by HBF_4 in nitrobenzene, 35
Thermal reactions
tris(*N*,*N*′-diphenylthioureato)Cr(III), 135
Thiocyanato complexes
crystal, molecular and electronic structures of Cu(II) dipropylenetriamine thiocyanate nitrate, 227
Thiourea complexes
tris(*N*,*N*′-diphenylthioureato)Cr(III), 135
Tungsten complexes
W–organoimido chemistry; crystal and molecular structures of [(n-C_4H_9)$_4$N][W($NC_6H_4CH_3$)Cl_5] and [(n-C_4H_9)$_4$N]-[$C_7H_7NH_3$][W_2OCl_8($NC_6H_4CH_3$)$_2$], 163

Zinc complexes
FT-IR studies on formation of tetrazinc long straight-chain (even-numbered C_6–C_{18}) μ_4-oxo-hexa-μ-carboxylates from corresponding bis(carboxylato)Zn compounds, 169
quantum yield measurements on some new hematoporphyrin mixtures including Zn and HpD precursor, 117